

YALE UNIVERSITY
OSBORN BOTANICAL LABORATORY
NEW HAVEN, CONNECTICUT

Jan 25

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Dear Jack:

The idea of picking up deficient mutants is very good, and I'm glad to hear the preliminary results are encouraging. N. Fries used a similar technique (but on animal agar) for the preliminary screening of *Ethiostoma* x-ray biochemical mutants - fairly successfully.

Regarding the effect of time of incubation on appearance of mutations, I think it's still worth doing, even if Demerec has done the equivalent (paper just submitted to PNAS.) with x-rayed cells, plated immediately, and sprayed, after incubation 1, 2, 3, 4 etc. hours, with virus. With both x- & v.v. "irradiation" there is a definite lag in appearance of resistant mutants. For biochemicals, incubation would have to be prior to plating.

Dr. Sinnott assures me that the lower room will be available in March - rent free - for the entire term of your stay if you wish.

I'll be in N.Y. this week-end - and will give you a ring when I have time - or will leave word with the Ryans. (I just realized you can't get this till Mon.!)
Yours, Ed. T.